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APPLICATION N	۱O. <u>ا</u>	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/766,910 01/30/2		01/30/2004	Hiroshi Yamane	8003-1016-1	5695	
466	7590	09/26/2006		EXAM	EXAMINER	
YOUNG	3 & THOM	PSON	TRAN	TRAN, LEN		
745 SOUTH 23RD STREET 2ND FLOOR				ART UNIT	ART UNIT PAPER NUMBER	
ARLINGTON, VA 22202				1725		
				DATE MAILED: 09/26/2006	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/766,910	YAMANE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Len Tran	1725				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period v - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
 Responsive to communication(s) filed on 13 July This action is FINAL. Since this application is in condition for allower closed in accordance with the practice under Exercise. 	action is non-final. nce except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 1-5 and 10-14 is/are pending in the ap 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-5 and 10-14 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acceed applicant may not request that any objection to the orange of the correction of the correction and correction of the correction of	r election requirement. r. epted or b) □ objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is objected to by the body and the drawing(s) is objected to by the Body and the drawing(s) is objected to by the Body and the drawing(s) is objected to by the Body and the drawing(s) is objected to by the Body and the Body	e 37 CFR 1.85(a). sected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite				

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-5 and 10-14 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 6182518.

As to claims 1, 4, and 10, JP '518 discloses an apparatus for continuous casting of molten metal comprising electromagnets each comprising an iron core and coil wound over the iron core, being arranged in a facing relation on opposite sides of the mold along the tranverse width, and means capable to supply AC current to each coil. The iron core comprise of comb-shaped iron core having comb-teeth. JP '518 also disclose a coil with DC current and a coil for AC current (abstract).

As to claim 2 and 3, JP '518 discloses both AC and DC current are wound on the same core.

As to claim 5, the poles are arranged above the ejection port.

As to claims 11-14, the AC current of JP '518 is capable of generating a single phase and continuous.

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Response to Arguments

3. Applicant's arguments with respect to claims 1-5 and 10-14 have been considered but are most in view of the new ground(s) of rejection.

Applicant argues that JP '518 discloses a three phase and not a single phase. However, examiner respectfully disagrees, since applicant is claiming an apparatus and wherein the three-phase AC current of JP '518 is capable of generating a single phase. Therefore, the claimed invention is not defined over the prior art of record.

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Len Tran whose telephone number is (571) 272-1184. The examiner can normally be reached on M-F, 8:30 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Len Tran
Primary Examiner

Art Unit 1725

January 5, 2006